

**METHOD AND SYSTEM FOR PROVIDING DATA INTEGRITY IN
STORAGE SYSTEMS**

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ABSTRACT OF THE DISCLOSURE

A method and system for performing data integrity process is provided. The method includes selecting a cyclic redundancy code ("CRC") mode from amongst
15 append, validate and keep, and validate and remove mode. If the append mode is selected, then CRC is appended after each data block boundary. A CRC seed value is incremented for each data block providing a
20 unique CRC value for each data block. If validate and keep mode is selected, then CRC accompanying any data is compared to CRC that may have been accumulated. If validate and remove mode is selected, then CRC is first
25 validated and then CRC is removed before data is sent out. The system includes CRC logic that allows firmware running on an adapter to select one of plural CRC modes

including append, validate and keep, and validate and
remove mode.